# Compressed Air Magazine

PUBLISHED BY

### The Compressed Air Magazine Company

New York, London, Paris

General Editorial and Business Offices: No. 11 Broadway, New York

INDEX TO VOLUME XXX

JANUARY TO DECEMBER, 1925

(Copyright, 1925, by Compressed Air Magazine Co.)

## COMPRESSED AIR MAGAZINE

#### INDEX TO VOLUME XXX

#### JANUARY - DECEMBER, 1925

\* Article Illustrated

$\mathbf{A}$	Book of the Locomotive, The—By G. Gibbard Jackson (Book
Advertising Yearbook for 1924, The—By John C. Oswald	*Book of the Locomotive, The—By G. Gibbard Jackson (Book Review)
Altitudes Simulated at Sea Level	
Amber Mining in East Prussia 1347 American Capital Abroad (Editorial) 1290	~
American Capital Abroad (Editorial)	$\mathbf{C}$
American Machine Tools in England (Editorial)1482	Canadian Hydro-Electric Developments
American World Trade—By W. L. Saunders (Editorial)1355 Ammonia Saves a Bank	Canal Traffic
Ammonia Vapor, Specific Volume of	view)
Ancient Americans Made Wonderful Mosaics	Carpet, The Biggest
Anti-Freeze Mixtures1156	Carrier, Weight of the
A. Pitman's Book—By Roger Dataller (Book Review)1355 *Armstrong, L. V.—Heavy-Oil Engines: Their Evolution and	*Cement Gun Used to Build Silos in Austria
Types	Chapter in American Education, A—By Ray Palmer Baker
*Armstrong, L. V.—Motorships, Uses of Compressed Air on . 1397 Artificial Lake, World's Largest	(Book Review)
Asphalt Well	Chemistry in Industry, Vol. I-By H. E. Howe (Book Re-
Astronomers, Troubles of	view)
Atlantic, First Floating Islands In	China's Industrial Outlook (Editorial)
Automobile Industry, How Compressed Air Aids (Editorial) 1386 Automobile Show "Ship of the Desert" (Editorial)	*Chinese Coolies Engaged in Tamping Earth
Automobiles—Compressed Air Used to Clean	*Chrysler Car Production—By Robert G. Skerrett
*Axford Herbert—Unwatering Flooded Coal Mines with Air Lifts	Coal Industry, The—By A. T. Shurick (Book Review)1321 *Coal Mines Unwatered with Air Lift—By Herbert Axford1127
	*Coal Mining in Pennsylvania—By James H. Collins1367
	*Coal Mining in Wales—By Roland H. Briggs
$\mathbf{B}$	*Cohig, James F.—Cantilever Beam Used in Widening Out
*Bardon, C. A.—Air Drill Makes Repairs Possible Miles Away	Moffat Tunnel
from Machine Shop	* " How Anthracite is Mined in Pennsylvania. 1367
Mountain Stream	Friends 1193
Beacon Lights of Science—By Theo. F. Van Wagenen (Book	* " Victor Talking Machine Record1304
Review)	Columbia River Power and Irrigation Project
Belt Conveyer	Review)
Bird Islands of Peru—By Robert Cushman Murphy (Book Review)	Compressed Air Helps to Build Concrete Piles
Review)	*Compressed Air in the Manufacture of Aircraft—By P. G.
Blasting, Early	Compressed Air May Save St. Paul's Cathedral (Editorial) 1196
(Book Review)	*Compressed Air's Part in the Packing and in the Preparation

*Compressed Air Revolutionizes I	Driving Tunnels Through	*Gas-Distribution Field Work—By J. E. Burke
Concerning the Nature of Things-	-By Sir William Bragg	*Gas Furnace, Compressed Air for the—By C. A. Dawley1318 Gas Holder
(Book Review)		Gas Main Record1465
Concrete Agrated		Gas Main Under Hudson River
*Concrete Building Collapses		Gas, Measurement of, to be Standardized
Concrete Chimney Hard to Raze		Gasoline—By T. A. Boyd (Book Review)
Concrete, Finer Grinding Increases *Concrete Walls Being Shot Into Pla		Geological Survey, Significant Field Work of
*Condenser, New, Griscom-Russel C	Co	*Glass Industry at Corning, N. Y.—By S. G. Roberts1421
*Congo Copper is Making History—	-By Owen Letcher 1281	Glue Now Made in the Form of "Pearls"1224
Congo is Now Greater Copper Proc Consolidation of Railroads, The—By	Walter M. Splawn (Book	Gokey, Moses H. (Obituary)
Review)	1419	*Golden Gate Bridge—By S. G. Roberts
*Copper in Congo is Making History	ble (Editorial)1482 y—By Owen Letcher1281	*Gold Mining at Homestake Mine, South Dakota—By Felix Edgar Wormser
*Cowan, B. M.—Compressed Air	Revolutionizes Method of Sandrock1480	*Gold Mining in North Carolina—By E. H. Paull
*Cranberry Bogs Sprayed from Alof	t	Government Dead-Letter Office (Editorial)
*Crepaud, J.—Compressed Air Aids	s in Refloating "Liberte" 1373	*Grace, Oil-Engine-Driven Tug-By A. S. Taylor
Czechoslovakia—By Dr. Josef Grub	er (Book Review)1259	*Grand Canyon of the Colorado—By M. R. Tillotson
40.4		Greene, Warren T.—Dynamite as an Effective Fire Extinguish-
$\mathbf{D}$		*Grenon, A. and Taylor, A. S.—North Africa Important
*Dallas Completing a Magnificent	Group of Terminal Build-	Source of Phosphate Rock
	1215	Gulf of Mexico, Research to Bare Secrets
*Dalton, Edward—Getting Out the	Toughest Rock on Record . 1461	Gunite, Halting Disintegration with
*Dawley, C. A.—Compressed Air fo *Delaware and Hudson Car-Building		Gutta Percha
*Dentistry, Compressed Air in Mod		Stephenson
ver		
*Denver Growing as an Engineering Denver, Some Facts About	g Center—The Staff1345	$\mathbf{H}$
Derrick Used by Southern Pacific.		
*Diesel Engine, Application to the	Power Problem of Electric	Haight, John F. (Obituary)
Diesel Motor in France	Mann	Review)1483
*Digger, Thomas—More Facts Abo	out America's First Fam-	*Hat-Blocking Machines
		*Hecla Mine Presents Many Points of Interest—By Walter E.
Dinosaurs, Footprints of Dirigibles, England Building Mons		Carr
Distribution of World Population	(Editorial)	Heligoland Dismantled
Diver, Deep Sea, Killed by Heat		
Dog Power Railroad	1260	Helium, New Use for
Dog-Power Railroad	v for a	*Helium New Use for
Dog-Power Railroad Driller, Compressed Air Saved Day *Drill Steel Sharpener Comes to the	y for a	*Helium, New Use for
Dog-Power Railroad Driller, Compressed Air Saved Day *Drill Steel Sharpener Comes to the *Driving Wheel Tires	y for a	*Helium, New Use for
Dog-Power Railroad Driller, Compressed Air Saved Daven Prill Steel Sharpener Comes to the *Driving Wheel Tires Dynamite as an Effective Ext	y for a	*Helium, New Use for
Dog-Power Railroad Driller, Compressed Air Saved Daven Prill Steel Sharpener Comes to the *Driving Wheel Tires Dynamite as an Effective Ext	y for a	*Helium, New Use for
Dog-Power Railroad  Driller, Compressed Air Saved Day *Drill Steel Sharpener Comes to the *Driving Wheel Tires  Dynamite as an Effective Ext Greene	y for a	*Helium, New Use for
Dog-Power Railroad Driller, Compressed Air Saved Daven Prill Steel Sharpener Comes to the Priving Wheel Tires Dynamite as an Effective Ext Greene	y for a	*Helium, New Use for
Dog-Power Railroad Driller, Compressed Air Saved Day *Drill Steel Sharpener Comes to the *Driving Wheel Tires Dynamite as an Effective Ext Greene  *Electric Motors Cleaned by Comp	y for a	*Helium, New Use for
Dog-Power Railroad Driller, Compressed Air Saved Day *Drill Steel Sharpener Comes to the *Driving Wheel Tires Dynamite as an Effective Ext Greene  *Electric Motors Cleaned by Comp Farland	y for a	*Helium, New Use for
Dog-Power Railroad	y for a	*Helium, New Use for
Dog-Power Railroad Driller, Compressed Air Saved Davard Parill Steel Sharpener Comes to the Priving Wheel Tires Dynamite as an Effective Ext Greene  *Electric Motors Cleaned by Comp Farland Electric-Pneumatic Doors Increase Electricity Produced More Efficier Engineering Society Holds Annual	y for a	*Helium, New Use for
Dog-Power Railroad	y for a	*Helium, New Use for
Dog-Power Railroad	y for a	*Helium, New Use for
Dog-Power Railroad	y for a	*Helium, New Use for
Dog-Power Railroad	y for a	*Helium, New Use for
Dog-Power Railroad	y for a	*Helium, New Use for
Dog-Power Railroad	y for a	*Helium, New Use for
bog-Power Railroad	y for a	*Helium, New Use for
bog-Power Railroad	y for a	*Helium, New Use for
bog-Power Railroad	y for a	*Helium, New Use for
bog-Power Railroad	y for a	*Helium, New Use for
bog-Power Railroad	y for a	*Helium, New Use for
Pog-Power Railroad	y for a	*Helium, New Use for
bog-Power Railroad	y for a	*Helium, New Use for
pog-Power Railroad	y for a	*Helium, New Use for
bog-Power Railroad	y for a	*Helium, New Use for
priller, Compressed Air Saved Da *Prill Steel Sharpener Comes to the *Driving Wheel Tires  Dynamite as an Effective Ext Greene  *Electric Motors Cleaned by Comp Farland  Electric-Pneumatic Doors Increase Electricity Produced More Efficier Engineering Society Holds Annual English Freight Car Ownership  Farming, Wholesale *Feldspar, Canada Rich in Dep Brunton  Fine Cement Produces Strong Cor Fire Losses in America (Editorial) Flame Used to Raise Steam Flaxseed as a Protection from Stee Florence Lake Tunnel Holed Thro *Fog Horns Air-Operated Ford-Plant Tunnel in Canada *Foundation Work, Compressed A Frank S. Horton  Franklin Kite Tale True (Editoria Fuel Oil, Consumption of, by Stea Fuel, Using more to Use Less	y for a	*Helium, New Use for
pog-Power Railroad	y for a	*Helium, New Use for
bog-Power Railroad	y for a	*Helium, New Use for
bog-Power Railroad	y for a	*Helium, New Use for
bog-Power Railroad	y for a	*Helium, New Use for

Jackson, Richard TDriving Sheet Piling by Compressed	*Montreal, America's Second Largest Seaport-By F. A. Mc-
Air	*Moore, G. L.—Maintenance of Way Methods and Practices
Modern Methods	on the Lehigh Valley Railroad
Japan's Hydro-Electric Resources	*Mornington, Sidney—How the Whistling Buoy Works 1160
*Johnson, P. G.—Some Typical Uses of Compressed Air in the Manufacture of Aircraftd.o. 40 702	*Mornington, Sidney—Submarine Cutting Torch Put to Novel
Journal of the Iron and Steel Industry—By George C. Lloyd	Service
(Book Review)	Dinuba 1201
The country of the country and	Mosaics made by Ancient Americans
TASE TO THE THE TASE OF THE TA	Motorship Tonnage Grows Steadily (Editorial)
*Karr, Arthur Chew-Centenary of the Passenger-Carrying	
Steam Railway	N
A T. Sharik Hoe	Nails, Holding Power of
VE. THE WAR AND MANAGED AND A STREET	National Directory of Commodity Specifications (Book Re-
The second secon	views)
Language of Advertising, The—By John B. Opdycke (Book	Navigator, Sure Sight for the
Review)	*Nevada, Lost City Of—By Thomas Digger
*Lead and Zinc Mines of Oklahoma—By Robert G. Skerrett 1293	Niagara Falls, More Power Practicable from (Editorial)1162
Leather, Aging Quality of	Non-Technical Chats on Iron and Steel—By LaVerne W. Spring (Book Review)
*Lehigh Valley Railroad, Maintenance of Way and Practices	Spring (Book Review)
on—By G. L. Moore	
*Lehigh Valley Railroad Using Self-Propelled Tie-Tamper Com-	0
pressors—By A. S. Taylor	*Oil Burner by Bunnell
*Letcher, Owen—Transvaal Probably World's Largest Plat-	*Oil-Electric Locomotive Wins Merited Recognition1441 *Oil Engine as a Primary Source of Power in the Manufacture
inum Field	of Ice Cream—By Karl Wegemann 1188
*Limestone Quarrying in Virginia—By Richard T. Jackson1275	*Oil Engines as Prime Movers in a Big Plaster Plant.—By W C. Stephenson
*Liquid Oxygen Explosives	*Oil-Engine Compressor Contributes to Unusual Success in
Locating the Iron Trail—By Edward Gillette (Book Review)1415 *Locomotive, First Run in England and America—By Arthur	English Quarry—By Edward Dalton
Chew Karr 1337	*Oil-Engine Compressor on Motorships—By L. V. Armstrong 1397 *Oil-Engine-Driven Tug "Grace"—By A. S. Taylor
*Logging Operations in Canada—By F. A. McLean	Oil Engines for Europe
London Traffic Relief	*Oil-Engines; Their Evolution and Types—By L. V. Arm- strong
London, Underground Freight Line Proposed for	Oil-Shale Industry1280
Los Angeles Must Go Far Afield for More Water (Editorial)1290	Oil Tanks, Protective Coloring for (Editorial)
	Ore Bodies, Searching for
M	Ores Located by Radio
	Our Trade Balance a Billion a Year (Editorial)
*McLean, F. A.—America's Second Largest Seaport	Oxygen
Largest Hockey Arena on this Continent 1219	
* " Portable Compressors Useful in Logging	P
Operations	*Palace Gates Opened by Air—By Charles B. Bunnell
Project in Newfoundland	Panama Canal, More Lockage Water for
*Madrid, Saragossa & Alicante Railway Compressor Plant1443 *MacFarland, G. T.—Compressed Air Highly Effective for	*Paoli, A. A.—Putting Through a Great Hydro-Electric Project in Newfoundland1231
Cleaning Parts of Electric Motors	Paper from Caroa Fiber1187
*Machinery, Care of—By Lion Gardiner	Paper Making, Compressed Air Aids in
*Mann, J. Kennedy—Application of the Diesel Engine to the	Paper Mill. Steam in the
Power Problem of Electric Railways	Paradox, Not Much of a
Manufacturing Outstrips Farming in America (Editorial)1228	A. M. Hoffmann1141
*Marl Moved Nearly Two Miles by Compressed Air—By	*Paul, George FMarl, Moved Nearly Two Miles by Com-
George F. Paul	pressed Air
*Melcher, C. W.—Building a Subway for Pedestrians Beneath	*Paving Breaker Does Unusual Work1484
a Busy Thoroughlare	Permeability of Stone Now Determinable
*Metal Barrels and Drums, Something About the Manufacture	Philadelphia Subway (Editorial)
of—By A. S. Taylor	*Philadelphia Subway, Part I—By Robert G. Skerrett 1403
J. Anderson (Book Review)	*Philadelphia Subway, Part II— " 1435 *Philadelphia Subway, Part III— " 1467 *Phosphate Rock, North Africa Important Source of—By A.
Methyl Alcohol, New Process Produces	*Phosphate Rock, North Africa Important Source of—By A.
Miner Conquers Misfortune	Grenon and A. S. Taylor
Mining More Copper and Zinc (Editorial)	Platinum (Editorial)
Mining on Rhodesia	Letcher1477
*Made Tunnel The Dort I De Dobort C Charmett	*Pneumatic Drills Drive Portable Tools
*Moffat Tunnel, Part III— " " 1205	Pneumatic Inner Tube Puncture-Proof
*Moffat Tunnel, Part III— " "1165 *Moffat Tunnel, Part III— " " 1205 *Moffat Tunnel, Part IV— " " 1237	and A. M. Hoffmann
*Moffat Tunnel, Cantilever Beam Used in Widening Out Tun-	and A. M. Hoffmann

*Sand Blast Does Interior Decorating	dacks1453			
Salety, (right Need of Greater Highway (Editorial) 1130 Salt from Sea Water	*Tacoma's Second Municipal Hydro-Electric Scheme—By Robert G. Skerrett			
Safety, Urgent Need of Greater Highway (Editorial)1130	Swiss Large Users of Electricity			
Rouyn Gold Field	*Sultzer, H. D. and Borcherdt, E. R.—Suggestions on the Care and Use of Rock Drills—Part I			
*Rosette, Breese—History of a Famous Silver-Lead Mining Camp	Subway to Lessen Congestion			
in the Glass Industry	*Submarine Cutting Torch Put to Novel Service—By Sidney Mornington			
Terminal Buildings	*Stopers for a Peruvian Mine			
*Rock Drills, Suggestions on the Care and Use of—By E. R. Borcherdt and H. S. Sultzer	*Stevenson, W. C.—Oil Engines a Prime Mover in a Big Plaster Plant			
Rock Drill, Another Great Task for the (Editorial)	Steam Locomotive Driven with Compressed Air			
Roberts				
Refrigeration Helps to Clarify Champagne	*Southern California Hydro-Electric Developments			
Reclamation (Editorial)	Bunnell			
*Raleigh, Ben K.—Paris Pneumatic Mail-Tube System	*Snowshoes for Horses			
*Rails, Laying of on Lehigh Valley Tracks—By A. S. Taylor1301 Railway Electrification—By H. F. Trewman (Book Review)1163 Railway Mileage	* " " Wonder Camp that "Jack" Built, The 1293 *Skyscrapers, Miniature, Tested			
Railroad, Elevated, World's Spectacular	* " " Tacoma's Second Municipal Hydro- Electric Scheme			
Radio Station Atop Mt. Saleve	* " " Rapid Progress on Broad Street Subway in Philadelphia—Part III			
R	in Philadelphia—Part I			
*Quarrying Limestone by Thoroughly Modern Methods—By Richard T. Jackson	* " " Driving First Tunnel Through the Continental Divide—Part IV			
Q	* " " nental Divide—Part II			
Pumping, Early Power	nental Divide—Part I			
Hall, R. W. King, H. E. Howe (Book Review)	*Siphon of Hero's Day			
Power Stations, Long Distance Control of (Editorial)1131  Principles of Business Writing—By T. H. Bailey Whipple (Book Review)	Sillmannte, Rich Find of			
*Portable Compressors Useful in Logging Operations—By F. A. McLean	Selling on Long-Term Payments (Editorial). 1320 *Sentinels of Safety. 1336 *Sewage Disposal Plant at Dinuba—By R. C. R. Morser. 1381			
ses	*Sheet Piling, Driving by Compressed Air—By R.T. Jackson . 1474  *Sea Gull Sanctuary of Great Salt Lake			
*Pneumatic Tools in Shops				

*Taylor, A. S. and Grenon, A.—North Africa Important Source of Phosphate Rock	*Vandiver, Vernon H.—Big Portland Cement Plants in Birmingham
*Tillotson, M. R.—Building a Difficult Trail in the Grand Canyon of the Colorado	W
*Torch, Brush-Burning	Watch Your Checks (Editorial)
U	$\mathbf{Y}$
Under the Black Flag—By Don C. Seitz (Book Review)1419 *United Illuminating Company Undergoing Enlargement— By Frank S. Horton	Yearbook and Directory of the South African Mining & Engr.  Journal (Book Review)
V	Z
Vanadium, A Curiosity Among Minerals	*Zinc-Lead Mines of Miami-Picher District—By Robert G. Skerrett

January	Pages	1101—1132 inclusive
February	Pages	1133—1164 inclusive
March	Pages	1165—1198 inclusive
April	Pages	1199-1230 inclusive
May	Pages	1231-1259 inclusive
June	Pages	1261-1292 inclusive
July	Pages	1293-1322 inclusive
August	Pages	1323-1356 inclusive
September	Pages	1357—1388 inclusive
October	Pages	1389-1420 inclusive
November	Pages	1421—1452 inclusive
December	Pages	1453-1484 inclusive

.

